ColdBox Framework

DEFAULT CACHE SETTINGS

- Default Timeout = 60 min
- Last Access Timeout = 30 min
- Reap Frequency = 1 min
- Max Objects = 100
- JVM Threshold = 1% Free
- Eviction Policy = LRU
- useLastAccess = True

FRAMEWORK DEFAULTS

- LogFileEncoding = ISO-8859-1
- LogFileMaxSize = 5000kb
- LogsMaxArchives = 5
- DefaultFileCharSet = ISO-8859-1
- DefaultLogDirectory = logs
- Default Event Name = event
- MessageboxStorage = session
- FlashURLPersisScope = session

CORE PLUGINS

- applicationstorage
- beanFactory
- cfcViewer
- clientstorage
- cookiestorage
- i18n
- ioc
- JavaLoader
- logger
- messagebox
- methodInjector
- MTLogger
- queryHelper
- renderer
- resourceBundle
- sessionstorage
- StringBuffer
- timer
- Utilities
- webservices
- XMLParser
- zip

PLUGINS-INTERCEPTORS-HANDLER

- **announceInterception**(state,[*interceptData*])
- **getColdBoxOCM**()
- **getController**()
- **getDatasource**(alias)
- **getDebugMode**()
- **getfwLocale**()
- **getInterceptor**(interceptorClass)
- **getMailSettings**()
- **getMyPlugin**(plugin,[*newinstance*])
- **getPlugin**(plugin,[*customPlugin*],[*newInstance*])
- **getResource**(resource)
- **getSetting**(name, [*fwSetting*])
- **getSettingsBean**()
- **getSettingStructure**([*fwSetting*],[*DeepCopyFlag*])
- **htmlhead**(content)
- **Include**(template)
- **includeUDF**(udfLibrary)
- **persistVariables**(persist,[varStruct])
- **relocate**(url,[*addToken*])
- **renderExternalView**(view)
- **renderView**([*view*],[*cache*],[*Timeout*],[*LastAccessTimeout*])
- **runEvent**(event,[*prepostExempt*],[*private*])
- **setDebugMode**(mode)
- **setNextEvent**(event,[*queryString*],[*addToken*],[*persist*])
- **setNextRoute**(route,[*persist*])
- **setSetting**(name,value)
- **settingExists**(name, [*fwSetting*])
- **throw**(message,[*detail*],[*type*])
- **dump**(var)
- **abort**()

CUSTOM PLUGIN METHODS

- **Init**()
- **getPluginPath**

CUSTOM PLUGIN PROPERTIES (ALL HAVE GET/SET)

- **pluginName**
- **pluginDescription**
- **pluginVersion**

INTERCEPTOR METHODS

- **Configure**()
- **getProperties**(properties)
- **setProperties**()
- **getProperty**(name)
- **setProperty**(name, value)
- **propertyExists**(name)
- **Unregister**(state)

CONTROLLER COMMON METHODS

- **getAppRootPath**()
- **getColdboxOCM**()
- **getColdboxSettings**()
- **getConfigSettings**()
- **getPlugin**(plugin,[*customPlugin*],[*newInstance*])
- **getRequestService**()
- **getInterceptorService**()
- **getDebuggerService**()
- **getExceptionService**()
- **getSettingStructure**([*fwSetting*],[*DeepCopyFlag*])
- **getSetting**(name, [*fwSetting*])
- **persistVariables**(persist,[varStruct])
- **runEvent**(event,[*prepostExempt*],[*private*])
- **settingExists**(name, [*fwSetting*])
- **setSetting**(name,value)
- **setNextEvent**(event,[*queryString*],[*addToken*],[*persist*])
- **setNextRoute**(route,[*persist*])

COLDBOX CACHE COMMON METHODS

✦ All timeouts are in minutes
✦ async defaults to true

- **clearAllEvents**([*async*])
- **clearAllView**([*async*])
- **clearByKeySnippet**(keySnippet,[*regex*],[*async*])
- **clearEvent**(eventSnippet,[*queryString*],[*async*])
- **clearKey**(objectKey)
- **clearView**(viewSnippet,[*async*])
- **expireAll**([*async*])
- **expireByKeySnippet**(keySnippet,[*regex*],[*async*])
- **expireKey**(objectKey)
- **get**(objectKey)
- **getCacheStats**()
- **getItemTypes**()
- **getObjectPool**()
- **getpool_metadata**()
- **getSize**()
- **lookup**(objectKey)
- **set**(objectKey,MyObject,[*Timeout*],[*LastAccessTimeout*])
- **reap**()

INTERCEPTION POINTS

- **afterConfigurationLoad, afterAspectsLoad**
- **sessionStart, SessionEnd**
- **preProcess, postProcess**
- **preEvent, postEvent**
- **preRender, postRender**
- **afterHandlerCreation (handlerPath,oHandler)**
- **afterPluginCreation (pluginPath,oPlugin)**
- **afterCacheElementInsert(cacheObjectKey,cacheObjectTimeout)**
- **afterCacheElementRemoved(cacheObjectKey)**

CORE INTERCEPTORS

- **environmentControl**
- **executionTracer**
- **ses**
- **autowire**
- **security**

APPLICATION STRUCTURE

- ➡ **config**
- ➡ **handlers**
- ➡ **interceptors**
- ➡ **layouts**
- ➡ **logs**
- ➡ **model**
- ➡ **plugins**
- ➡ **views**
- ✦ Application.cfc
- ✦ index.cfm
- ✦ coldboxproxy.cfc

URL ACTIONS (INDEX.CFM?)

- fwreinit=1
- fwreinit={reinitPassword}
- debugmode=true
- debugpass={DebugPass}
- fwcache=anything
- dumpvar=varlist
- debugpanel={panel}

DEBUG PANELS

- cache
- cacheviewer
- profiler

SES ROUTES

- :handler/:action?/:id?
- **Tips**
- ? = optional
- :var-numeric Numeric Route
- :var Alphanumeric Route

REQUEST CONTEXT COMMON METHODS (RECEIVED AS EVENT)

- **buildLink**(linkto)
- **clearCollection**()
- **collectionAppend**(collection,[*overwrite*])
- **getCollection**([*DeepCopyFlag*])
- **getCurrentAction**()
- **getCurrentEvent**()
- **getCurrentHandler**()
- **getCurrentLayout**()
- **getCurrentView**()
- **getDefaultLayout**()
- **getDefaultView**()
- **getEventName**()
- **getFolderLayouts**()
- **getSelf**()
- **getSESBaseURL**()
- **getSize**()
- **getValue**(name,[*default*])
- **getTrimValue**(name,[*default*])
- **getViewLayouts**()
- **isProxyRequest**()
- **isNoRender**()
- **isSES**()
- **NoRender**([*remove*])
- **overrideEvent**(event)
- **paramValue**(name, value)
- **renderData**(type, data, contentType)
- **removeValue**(name)
- **setLayout**(name)
- **setValue**(name, value)
- **setView**(name,[*noLayout*],[*cache*],[*cacheTimeout*],[cache*LastAccessTimeout*])
- **valueExists**(name)
- **showDebugPanel**(boolean)

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CACHE CONFIG ELEMENTS

‣ **ObjectDefaultTimeout** = Minutes
‣ **ObjectDefaultLastAccessTimeout** = Minutes
‣ **UseLastAccessTimeouts** = Boolean
‣ **MaxObject** = Integer (0 = Unlimited)
‣ **ReapFrequency** = Minutes
‣ **FreeMemoryPercentageThreshold** = Integer Percentage (0 = Unlimited)
‣ **EvictionPolicy** = LFU or LRU

CONFIG SETTINGS

‣ AppMapping
‣ **Appname**
‣ ApplicationStartHandler
‣ CustomErrorTemplate
‣ CustomEmailBugReport
‣ ColdboxLogsLocation
‣ ConfigAutoReload
‣ DebugMode
‣ DebugPassword
‣ **DefaultEvent**
‣ EventName
‣ ExceptionHandler
‣ EnableBugReports
‣ EnableColdfusionLogging
‣ EnableDumpVar
‣ EnableColdboxLogging
‣ EventCaching
‣ HandlersIndexAutoReload
‣ HandlersExternalLocation
‣ HandlerCaching
‣ IOCFramework
‣ IOCDefinitionFile
‣ IOCObjectCaching
‣ MessageboxStyleOverride
‣ MyPluginsLocation
‣ onInvalidEvent
‣ **OwnerEmail**
‣ ProxyReturnCollection
‣ RequestStartHandler
‣ RequestEndHandler
‣ RequestContextDecorator
‣ ReinitPassword
‣ SessionStartHandler
‣ SessionEndHandler
‣ UDFLibraryFile
‣ FlashURLPersistScope
✳ *BOLD = Required*

CONFIG ELEMENTS

‣ YourSettings
  ‣ Setting @name @value
‣ CustomConventions
  ‣ handlersLocation
  ‣ pluginsLocation
  ‣ layotusLocation
  ‣ viewsLocation
  ‣ eventAction
‣ DebuggerSettings
‣ MailServerSettings
‣ BugTracerReports>BugEmail
‣ WebServices>WebService
  ‣ @name, @URL
‣ Layouts
  ‣ DefaultLayout
  ‣ DefaultView
  ‣ Layout @name @file
    ‣ View
    ‣ Folder
‣ I18n
  ‣ DefaultResourceBundle
  ‣ DefaultLocale
  ‣ LocaleStorage
‣ Datasource>Datasource
  ‣ @alias,@name,@dbtype,
    @username, @password
‣ Interceptors
  ‣ CustomInterceptionPoints
  ‣ Interceptor @class
    ‣ Property @name

APPLICATION,SESSION,CLIENT STORAGE PLUGINS

‣ **clearAll()** *
‣ **deleteVar**(name)
‣ **exists**(name)
‣ **getStorage()** *
‣ **getVar**(name, [*default*])
‣ **setVar**(name, value)

* Clientstorage excluded

BEANFACTORY PLUGIN

‣ **create**(bean, [*callInitFlag=false*])
‣ **populateBean**(FormBean)
‣ **populateFromJson**(FormBean, JSONString)
‣ **populateFromStruct**(FormBean, memento)
‣ **populateFromQuery**(FormBean,qry,RowNumber)
‣ **Autowire**(target,[useSetterInjection],[annotationCheck],
  [onDICompleteUDF],[debugmode])

CFC VIEWER

‣ **buildLink**(package)
‣ **buildRootLink()**
‣ **getaCFC()**
‣ **getaPacks()**
‣ **getCFCMetaData**(cfcName)
‣ **getDirPath()**
‣ **getLinkBaseURL()**
‣ **getLinkString()**
‣ **getLinkType()**
‣ **getLstAccessTypes()**
‣ **getRenderingTemplate()**
‣ **getRootPath()**
‣ **getStyleSheet()**
‣ **renderit()**
‣ **setup**(dirpath,[*accessTypeFilter*],[dirLink],[jsLink],
  [RenderingTemplate],[LinkBaseURL])

COOKIESTORAGE PLUGIN

‣ **setVar**(name, value, [*expires=1*])
‣ **deleteVar**(name)
‣ **exists**(name)
‣ **get/setEncryption()**
‣ **get/setEncryptionAlgorithm()**
‣ **get/setEncryptionEncoding()**
‣ **get/setEncriptionKey()**
‣ **getVar**(name, [default])
‣ **setVar**(name, value, [expires]

IOC PLUGIN

‣ **configure()**
‣ **getBean**(beanName)
‣ **getExpandedIOCDefinitionFile()**
‣ **getIOCDefinitionFile()**
‣ **getIOCFactory()**
‣ **getIOCFramework()**
‣ **reloadDefinitionFile()**

RESOURCEBUNDLE PLUGIN

‣ **formatRBString**(rbString, substituteValues)
‣ **getRBKeys**(rbFile, [rbLocale])
‣ **getRBString**(rbFile,rbKey,[rbLocale])
‣ **getResource**(resource)
‣ **getResourceBundle**(rbFile, [rbLocale])
‣ **loadBundle**(rbFile, [rbLocale])
‣ **messageFormat**(thisPattern, args, [thisLocale])
‣ **setupInstance()**
‣ **verifyPattern**(pattern)

JAVALOADER PLUGIN

‣ **create**(className)
‣ **getURLClassLoader()**
‣ **getVersion()**
‣ **setup**(loadPaths,[*loadColdfusionClassPath=false*],
  [*parentClassLoader=*])

JSON PLUGIN

‣ decode(data)
‣ encode(data,[queryFormat],[queryKeyCase],[stringNumbers],
  [formatDate],[columnListFormat]

LOGGER & MTLOGGER PLUGIN

‣ **logEntry**(Severity,Message,[*ExtraInfo*])
‣ **logError**(Message,[*ExceptionStruct*],[*ExtraInfo*])
‣ **removeLogFile**()
‣ **tracer**(message, [*extraInfo*])
‣ **getValidSeverities**()

MESSAGEBOX PLUGIN

‣ **Append**(message), **appendArray**(messageArray)
‣ **clearMessage(), getMessage(), isEmpty()**
‣ **renderIt(**[*clearFlag*]**)**
‣ **setMessage**(type,[*message*],[*messageArray*])

METHODINJECTOR PLUGIN

‣ **injectMixin**(UDF)
‣ **injectPropertyMixin**(propertyName,propertyValue,[scope])
‣ **invokerMixin**(method,[argCollection],[argList]
‣ **removeMixin**(UDFName)
‣ **removePropertyMixin**(propertyName, [scope])
‣ **start**(CFC), **stop**(cfc)

QUERYHELPER PLUGIN

‣ **doInnerJoin/doLeftOuterJoin**(qryLeft,qryRight,LeftJoinColumn,
  RightJoinColumn,OrderByElement,[caseSensitive])
‣ **doQueryAppend**(qryFrom,qryTo)
‣ **filterQuery**(qry,field,value,cfsqltype)
‣ **getColumnArray**(qry,columnName)
‣ **getCountDistinct**(qry,columnName)
‣ **getRowNumber**(qry,columnValue,ColumnName)
‣ **sortQuery**(qry,sortBy,sortOrder)

RENDERER PLUGIN

‣ **purgeView**(view)
‣ **renderExternalView**(view)
‣ **renderLayout**()
‣ **renderView**([*view*],[cache],[cacheTimeout],
  [cacheLastAccessTimeout])

TIMER PLUGIN

‣ **getTimerScope**()
‣ **logTime**(label, tickcount)
‣ **Start**(label)
‣ **Stop**(label)

WEBSERVICES PLUGIN

‣ **getWS**(name)
‣ **getWSObj**(name)
‣ **refreshWS**(webservice)

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ColdBox Framework

DEBUGGER ELEMENTS

- PersistentRequestProfiler = true
- maxPersistentRequestProfilers = 10
- maxRCPanelQueryRows = 50
- InfoPanel @show=true @expanded=true
- TracerPanel @show=true @expanded=true
- CachePanel @show=true @expanded=false
- RCPanel @show=true @expanded=false

UTILITIES PLUGIN

- **isCFUUID**(inStr)
- **isEmail**(str)
- **isURL**(str)
- **Sleeper**(milliseconds)
- **createArray**(str)
- **createStruct**(str)
- **getOSFileSeparator**()
- **getOSPathSeparator**()
- **getOSName**()
- **getInetHost**()
- **checkCharSet**(charset)

- **getIPAddress**()
- **getJavaRuntime**()
- **getJavaVersion**()
- **getJVMFreeMemory**()
- **getJVMTotalMemory**()
- **FileLastModified**(filename)
- **ripExtension**(filename)
- **createFile**(filename)
- **FileCanWrite**(filename)
- **FileCanRead**(filename)
- **isFile**(filename)

- **appendFile**(file,contents,[*charset*],[*checkCharSet*])
- **FileSize**(filename,sizeFormat)
- **readFile**(file,[*binary*],[*charset*],[*checkCharSet*])
- **saveFile**(file,contents,[*charset*],[*checkCharSet*])
- **removeFile**(filename)
- **isDirectory**(filename)
- **getAbsolutePath**(path)
- **isSSL**()

STRINGBUFFER PLUGIN

- **Append**(strIn)
- **Capacity**()
- **Delete**(startPos,endPost)
- **getString**()
- **getStringBuffer**()
- **indexOf**(inStr,fromPos)
- **insertStr**(offset,inStr)
- **lastIndexOf**(inStr,fromPos)
- **Length**()
- **replaceStr**(startPos,endPos, inStr)
- **reverseStr**()
- **setLength**(newLength)
- **Setup**(strIn,BufferLen)
- **subString**(startPos,endPos)

ZIP PLUGIN

- **AddFiles**(zipFilePath, [files],[directory],[filter],[recurse], [compression],[savePaths])
- **DeleteFiles**(zipFilePath, files)
- **Extract**(zipFilePath, [extractPath],[extractFiles],[useFolderNames], [overwriteFiles]
- **FileList**[directory, [filter], [recurse])
- **gzipAddFile**(gzipFilePath, filePath)
- **gzipExtract**(gzipFilePath, [extractPath])
- **List**(zipFilePath)
- **PathFormat**(path)

REQUESTSERVICE

- **getContext**()

INTERCEPTORSERVICE

- **processState**(state,interceptData**)**
- **registerInterceptor**([interceptorClass],[interceptorObject[, [interceptorProperties], [customPoints])
- **getInterceptor**(InterceptorClass)
- **appendInterceptionPoints**(customPoints)
- **getInterceptionPoints**()
- **getInterceptionStates**()
- **getStateContainer**(state**)**
- **Unregister**(interceptorClass, state)

DEBUGGERSERVICE

- **getDebugMode**()
- **setDebugMode**(debugMode)

SES INTERCEPTOR PROPERTIES

- **configFIle** : relative or absolute routes file

SES ROUTES

- **setEnabled(true or false)** : [default=true]
- **setUniqueURLs(true or false)** : [default=false]
- **setBaseURL**(url)
- **addCourse**(pattern, [*handler*],[*action*])

- **:varname** = alphanumeric route
- **:varname-numeric** = numeric route
- /blog/entry/:year-numeric/:month-numeric
- /wiki/:pagename

AUTOWIRE INTERCEPTOR PROPERTIES

- **debugMode :** [boolean=false]
- **completeDIMethodName** : [string=onDIComplete]

ENVIRONMENTCONTROL INTERCEPTOR PROPERTIES

- **configFile :** relative or absolute file location
- **fireOnInit** : [boolean=true]

SECURITY INTERCEPTOR PROPERTY

- **useRegex** : [boolean=true]
- **useRoutes** : [boolean = false]
- **debugMode** : [boolean=false]
- **rulesSource** : [string=xml, db, ioc, ocm]
- **queryChecks** : [boolean=true]
- **validator** : [classpath]
- **validatorIOC** : [bean name]

CFECLIPSE SNIPPETS

- buildlink
- cfcunittest
- configcache
- controller
- Customplugin
- ehm (event handler method)
- exists
- filterquery
- get
- getbean
- getc - getcollection
- getd - getdatasource
- getm - getMyPlugin
- getp - getPlugin
- getr - getResource
- gets - getSetting
- getself
- getsesbase
- Intercept - announceIntercept
- loge - logerror
- logentry
- logtime
- mbclear - messagebox
- mbget - messagebox
- mbisempty - messagebox
- mbrender -messagebox
- mbset - messagebox
- mxunittest
- newconfig
- newevent
- newhandler
- newinterceptor
- newtest
- next - setnextevent
- Nextroute - setnextroute
- ocm
- over - override event
- param
- persist
- Popbean -populatebean
- rc
- rce - rc external
- rem - removeValue
- ren - renderview
- run - run event
- sesbase
- set
- setl - setlayout
- sets - set setting
- settinge - setting exists
- setv - set view
- sortquery
- timerstart
- timerstop
- tracer
- wsget
- wsrefresh

IMPLICIT EVENTS

- preHandler
- postHandler
- onDIComplete
- onMissingAction